

Amendments to the Specification

The paragraph starting at page 11, line 19 and ending at line 21 has been amended as follows.

Fig. 17 schematically shows an image processing system in which each method shown in Figs. 1 to 5, 11, and 12 can be implemented; and

The heading at page 11, line 25 has been amended as follows.

DETAILED DESCRIPTION OF THE PREFERRED ~~EMBODIMENT~~ EMBODIMENTS

The paragraph starting at page 11, line 27 and ending at page 12, line 12 has been amended as follows.

The embodiments of the present invention will be described in detail. In the following description, as to how to identify one candidate for human face region within an image, reference can be made to Chinese Patent Application No. 00127067.2, which was filed by the same applicant on September 15, 2000, and made public on April 10, 2002. This application is incorporated ~~here for~~ herein by reference. However, the method of identifying candidates for human face regions disclosed in Chinese Patent Application No. 00127067.2 constitutes no restriction to the present invention. Any conventional method of identifying candidates for human face regions within an image may be utilized in the present invention.

The paragraph starting at page 15, line 24 and ending at page 16, line 2 has been amended as follows.

In Fig. 9, it is known beforehand that which image regions represent genuine human faces and which image regions do not. For instance, image regions A1, A5 represent genuine human faces, and image regions A2, A3, A4, A6 do not represent human faces.

The paragraph starting at page 36, line 3 and ending at line 14 has been amended as follows.

As shown in Fig. 7, the components enclosed by the broken line constitute a probability calculator. Although it is shown that the probability calculator is composed of vector generator 703, probability selector 704 and probability memory 705, it should be understood that any conventional components may be taken to form a probability calculator. That is, vector generator 703, probability selector 704 and probability memory 705 do not constitute a restriction to the probability calculator. The important importance is that the probability calculator will calculate a probability that one candidate for human face region represents a human face.

The paragraph starting at page 39, line 21 and ending at line 26 has been amended as follows.

At step 1103, a plurality of candidates for human face regions are identified. And for each of the plurality of candidates for human face regions, a probability that the candidate for

human face region ~~represent~~ represents a human face is obtained. Thus, a plurality of probabilities for human face regions are obtained.

The paragraph starting at page 40, line 15 and ending at line 18 has been amended as follows.

Assume the probabilities for candidates for human face region in the image are  $p_1$ ,  $p_2$ ,  $p_3$ ... and  $P_N$ . Three exemplified methods of calculating the portrait probability of an image ~~is~~ are given as follows.

The paragraph starting at page 55, line 4 and ending at line 9 has been amended as follows.

The embodiments explained above are specialized to determine portrait probability of an image and process it[.]); however, the present invention is not limited to ~~determine~~ determining portrait probability, ~~it~~ and is applicable to other determination ~~method~~ methods, for example, a method to detect the probability where there is flaw portion on a circuit board.